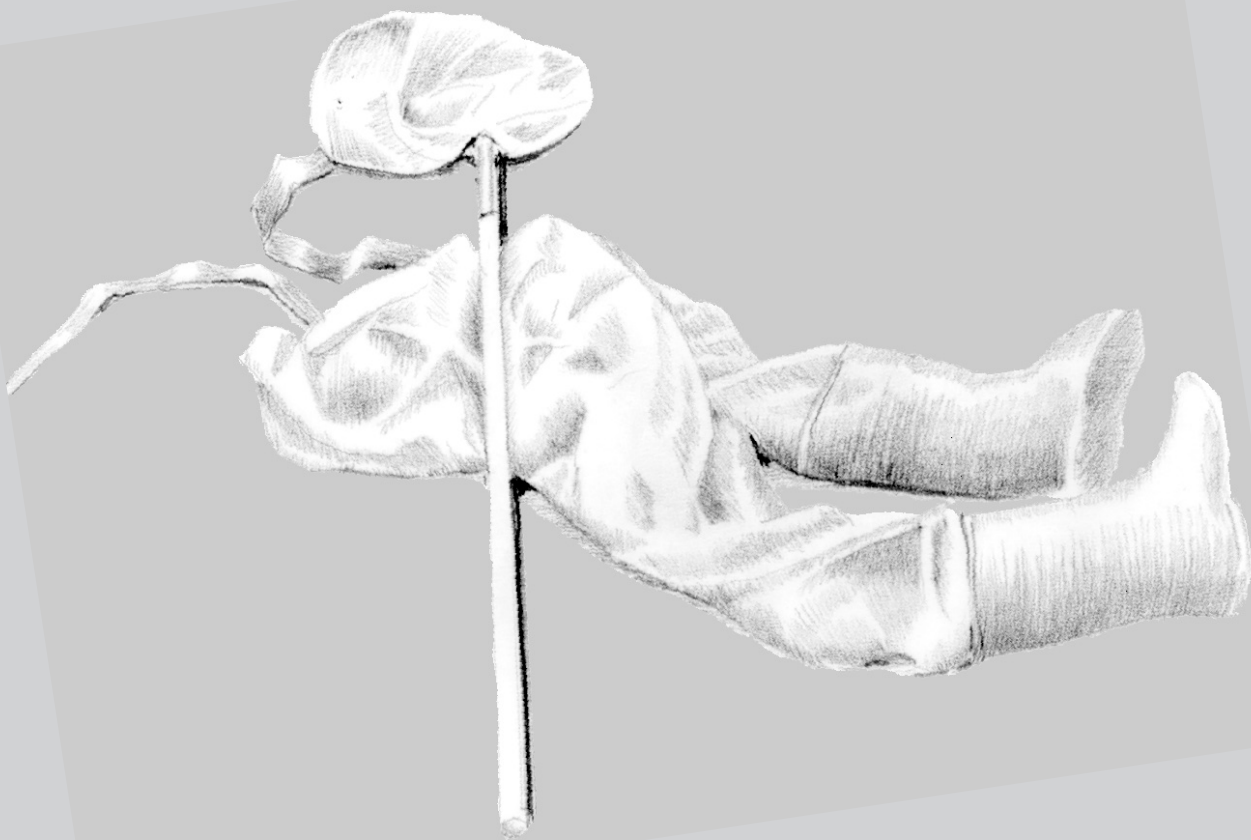
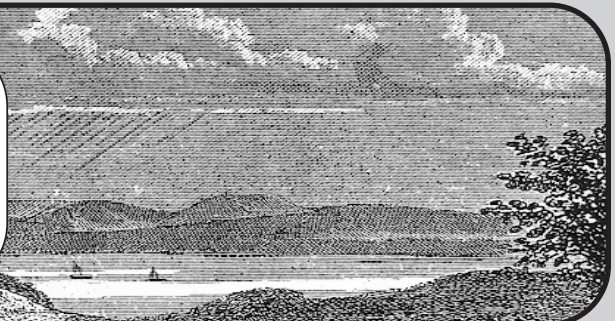


MARYLAND STREAM WADERS SAMPLE YEAR 2000 REPORT



CHESAPEAKE BAY AND
WATERSHED PROGRAMS
MONITORING AND
NON-TIDAL ASSESSMENT
CBWP-MANTA- EA-02-02





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Maryland Stream Waders Sample Year 2000 Report

**Prepared by
Daniel Boward and Rita Bruckler**

April 2002

**Maryland Department of Natural Resources
Monitoring and Non-tidal Assessment Division
580 Taylor Avenue; C-2
Annapolis, Maryland 21401**

Foreword

This is the first in a series of annual reports on Maryland's Stream Waders statewide volunteer stream monitoring program managed by the Maryland Department of Natural Resources' (DNR) Monitoring and Non-tidal Assessment Division (MANTA). Stream Waders data are intended to supplement those collected for the Maryland Biological Stream Survey (MBSS) by DNR and University of Maryland biologists. This report provides an overview of the Program and summarizes results from sample year 2000.

Acknowledgments

We wish to acknowledge, first and foremost, the dedicated volunteers who collected data for this report (* indicates team leader): Thanks to the following individuals for helping to make the Program a success:



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Sue Fothergill
Jenel Fronheiser
Amy Gambrill-Vincent*
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Jennifer Gerhardt
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John Gigliotti*
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Stacey Horney
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Mike Jackson
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Jean Kapusnick*
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Gia Lamela*
John Lattin
Maggie Lehr
Jen Leudroot
Jim Long
Amanda MacCauley
Donald Malaney
Sarah Malinowski
Janis Markusic
Molly Mastrangelo
Liz McDowell
Laurie Menser
Joe Metz
Caren Mierczak
Diane Miller
Tina Miller
Alex Mitchell
Michele Monde*
Glen Monk
Linda Moran

Pat Moran
Don Morris*
Brent Murry*
Melody Nevins
Jonathan Niles*
Beth Olsen*
Chris Overbaugh*
Rob Paige
Wayne Parks
Rob Pauline
Robin Pellicano
ShelliePerrie*
Susan Phelps*
Taconya Piper
Bill Plank
Lauren Plank
Traci Powers
Cheryl Pryor*
Heather Pusey
George Radcliffe
Michelle Radez
Geoff Rando
Aisha Rawlinson
Tim Reese
Jen Rice
Dan Risley
Jaimee Russell
Peter Sakaris*
Joel Salter*
Kathryn Samuel
Carolyn Sanford
Dave Schreffler*
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Tina Stevens*
Vern Stotts
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Introduction

Begun as a pilot in 2000, Maryland Stream Waders is a statewide volunteer stream-monitoring program managed by Maryland Department of Natural Resources (DNR), Monitoring and Non-tidal Assessment Division. Stream Waders is the volunteer component of the Maryland Biological Stream Survey (MBSS). Goals of Stream Waders are:

To increase the density of sampling sites for use in stream and watershed assessments;

To improve stream stewardship ethics and encourage local action to improve watershed management;

To educate the local community about the relationship between land use and stream quality; and

To provide quality assured information on stream quality to state, local, and federal agencies, environmental organizations, and others;

Stream Waders data are intended for use in water quality reports (such as Maryland's Biennial water quality report to Congress - the 305(b) Report), watershed restoration and protection programs, regulatory programs (such as 303(d) listing), and for local government use. They are also provided to the volunteers themselves who may have an interest in a particular stream or watershed.

The pilot year for Stream Waders was a success. At five locations, 170 volunteers were trained in basic stream ecology, map and Global Positioning System (GPS) use, and field sampling. The trainees formed 49 teams, and with sampling equipment and maps provided by DNR, they ventured forth into the same 18 watersheds slated for sampling by the MBSS.

Methods

Stream Waders is designed to be seamless with the MBSS and several other organizations sampling streams in Maryland (see Appendix A). MBSS samples are collected at the watershed level (8-digit; about 70 square miles each) (Figure 1), while Stream Waders volunteers sample at the subwatershed (12-digit; about 8 square miles each) level. Thus, Stream Waders data should help "fill the gaps" left in watershed areas not sampled by MBSS.

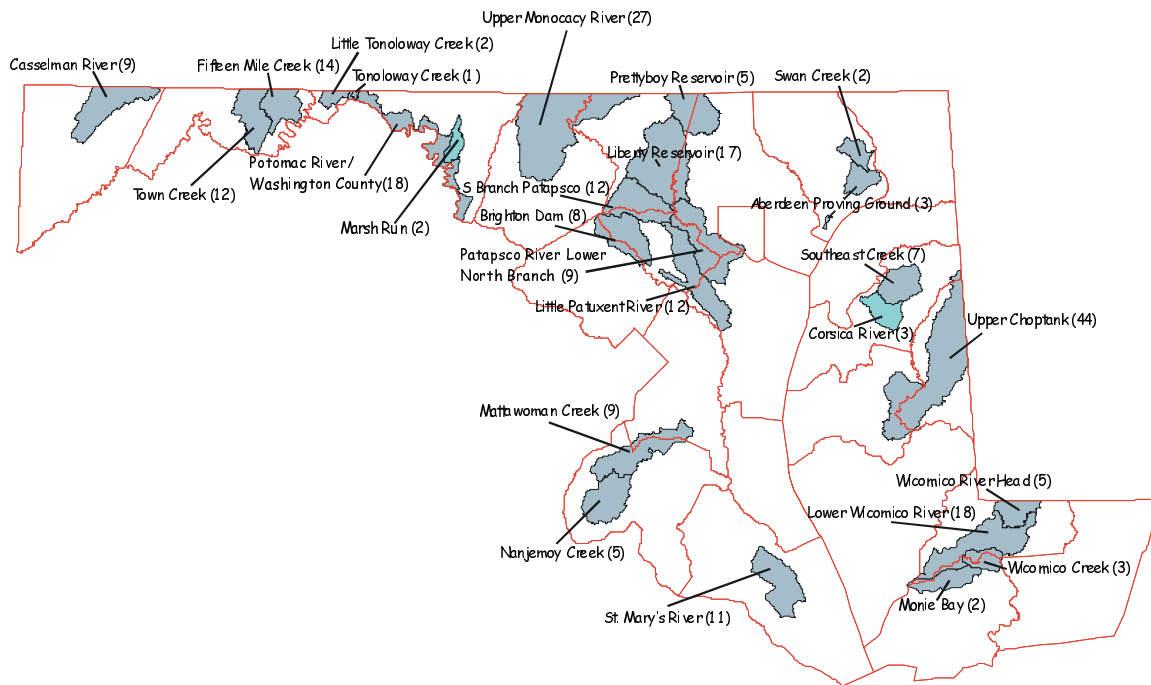


Figure 1. Watersheds sampled by Stream Waders volunteers during 2000. The number of subwatersheds in each watershed is shown in parentheses.

Site Selection

Each year, local governments and citizen organizations interested in the selected watersheds are invited to submit site locations to be sampled by Stream Waders volunteers. For 2000, sites were requested by three local governments (Anne Arundel, Charles, and Dorchester counties) and three citizen organizations (Ridge and Valley Stream Keepers, Friends of Mattawoman Creek, and Trout Unlimited).

After attending one eight-hour training session in February, volunteers were given subwatershed maps with pre-selected sites marked. Volunteers were asked to sample during the 1 March to 30 April time period and to sample the pre-selected sites first. For many subwatersheds there were fewer than five pre-selected sites, so volunteers were asked to distribute additional sites throughout the subwatershed, with one site near the most downstream part of the subwatershed. The target number of sites per subwatershed was five. Most sites were either upstream of a road crossing or within an easy walk of a road. Volunteers selected 100-foot sections of stream for their samples. Each team of volunteers was given a GPS unit to record the latitude and longitude of the actual sampling sites.

Data Collection and Analytical Methods

Benthic macroinvertebrates were sampled using the same methods as MBSS biologists (MDNR 2001a and MDNR 2001b). Samples were collected using one-foot wide "D" nets (595 micrometers) in multiple habitats (e.g. riffles, rootwads, leaves). About 20-square feet of stream substrate were sampled per site in proportion to the available habitat. Samples were preserved in ethanol and organisms were subsampled (about 100 organisms per sample) and identified to family (MDNR 2000) by DNR staff at DNR's laboratory in Annapolis. From the list of organisms identified from each site, a family-level Index of Biotic Integrity (IBI) was calculated and each site was rated either Good (IBI 4-5) Fair (IBI 3-3.9) or Poor (IBI 1-2.9) (MDNR 1998).

In a study conducted by DNR during the first statewide round of the MBSS, the family-level IBI (used by Stream Waders) performed nearly as well as the MBSS genus-level IBI in correctly classifying reference and degraded sites (MDNR 1998). In non-coastal plain areas, the two methods performed equally well and in coastal plain areas, the family-level IBI correctly classified 77% of the sites whereas the genus-level IBI was 88% efficient.

In addition to sampling benthos at each site, volunteers noted general information about each stream, such as width and depth, as well as a description of the surrounding land and potential problems. For 2000, 26 watersheds containing 230 subwatersheds were slated for sampling.

Quality Assurance/Quality Control

The Stream Waders Program contained several measures of QA/QC including testing of laboratory taxonomists and repeated subsampling and sample re-identification (MDNR 2000). Volunteers attended a one-day training session and will be asked to repeat the training each year that they participate in the program. Three percent of Stream Waders sites were sampled by DNR staff (duplicate samples) during the March-April index period (a gap of three or more weeks occurred between collection of the volunteer samples and the quality control samples due to the time needed for the volunteers to complete sampling and return the samples to DNR). Duplicate samples were also subsampled and identified by DNR staff according to MBSS protocols.

Site locations were verified by comparing the latitudes and longitudes recorded by volunteers using the GPS units with other location information from the data sheets such as stream name, nearest road crossing, and map grid.

Results from 2000 sampling

Eight hundred ten samples were taken as part of the Stream Waders Program. Twenty-five of these were duplicate samples collected by DNR staff to be used for Quality Control. Ninety samples were degraded due to excess organic material in the sample and/or too little preservative. These samples were discarded prior to subsampling.

Ninety-three samples contained fewer than 60 organisms. The benthic IBI is generally less reliable when organism counts are less than 60. However, low organism counts are likely to occur at severely degraded sites, such as those in heavily urbanized areas, justifying keeping samples from such sites in the database. Thus, site and benthic community data were examined and best professional judgment was used to delete 52 of the 93 "low-organism count" samples from the database.

One sample was collected from a tidal stream (verified by polychaetes in the subsample). Six hundred sixty-seven samples were of high enough quality to calculate an Index of Biotic Integrity (Figure 2; next page).

Watershed and subwatershed coverage by Stream Waders volunteers was very good (Figure 3). Volunteers sampled twenty-four of the 26 scheduled watersheds, with an average of 30 sites per watershed. Of the 287 subwatersheds slated for sampling, 178 contained at least one sample. The average number of samples per subwatershed was 4.1.

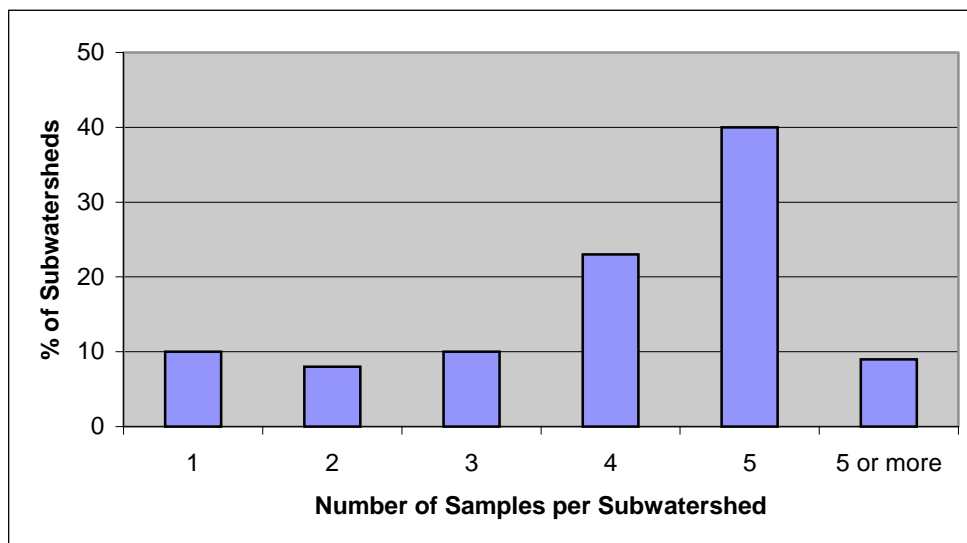


Figure 3. Number of Stream Waders samples per Subwatershed; 2000 sampling.

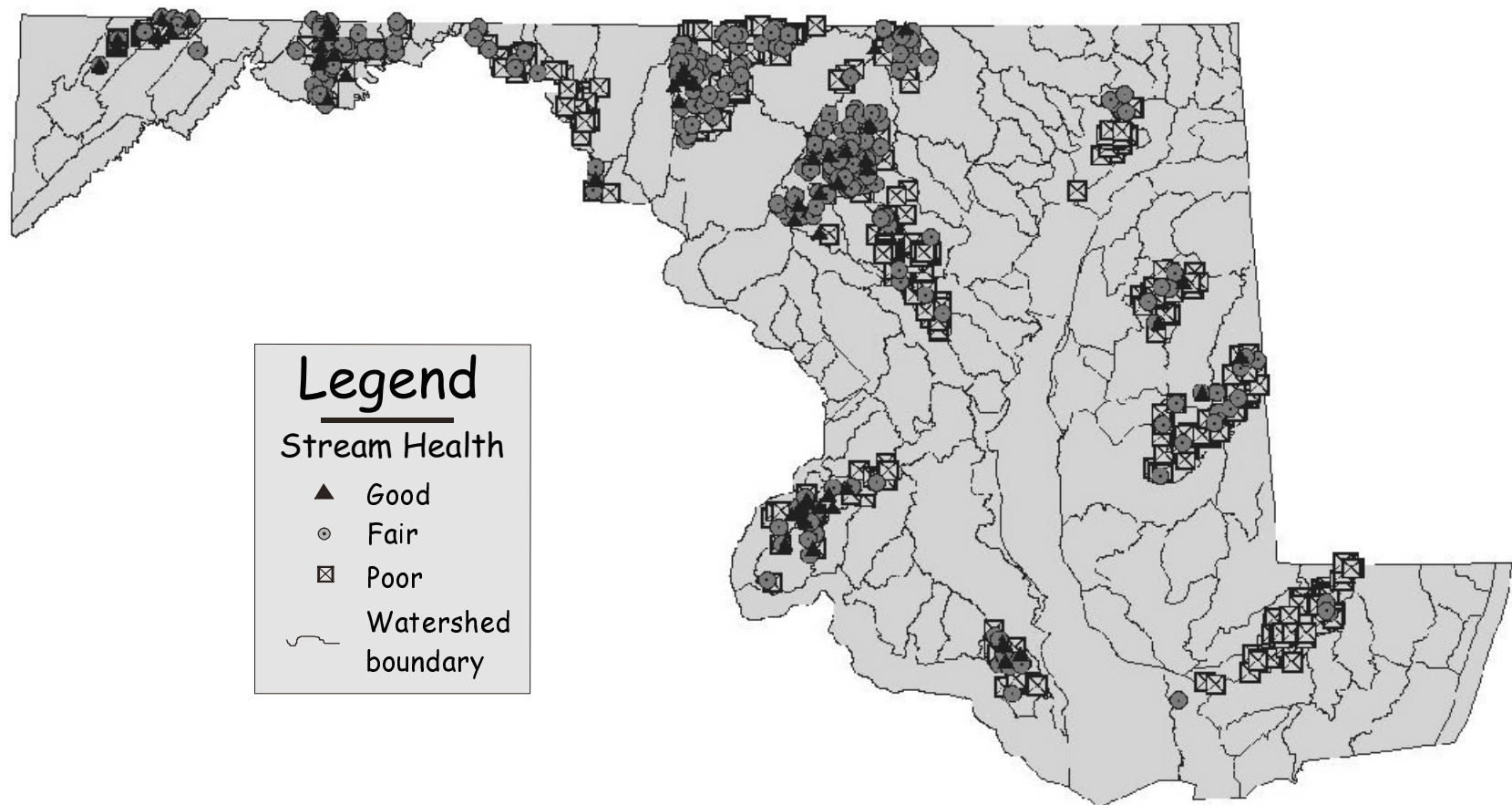


Figure 2. Year 2000 Maryland Stream Waders sites and stream health ratings based on a family Index of Biotic Integrity.

How closely were MBSS and Stream Waders samples matched?

Benthic IBI values from the 25 duplicate samples taken by MBSS staff corresponded well with Stream Waders results from the same sites (Figure 4). The slope of the fit line was 0.97, suggesting a near one-to-one correspondence among all the sites. The mean difference between the Stream Waders and MBSS IBIs for all pairs of sites was 0.03. Thus, neither MBSS nor Stream Waders samples had a consistently higher or lower IBI.

Stream Waders and MBSS duplicate samples were in good agreement with respect to identifying poor quality sites (i.e., those with IBIs less than 3). Fourteen sites were rated as poor by both sampling programs. At two sites (8%; circled sites), there was some disagreement on stream health, with two volunteer-collected samples giving fair ratings while the MBSS ratings were poor. In identification of sites as fair or good, there was good agreement. Nine sites were identified as fair or good in both sets of samples.

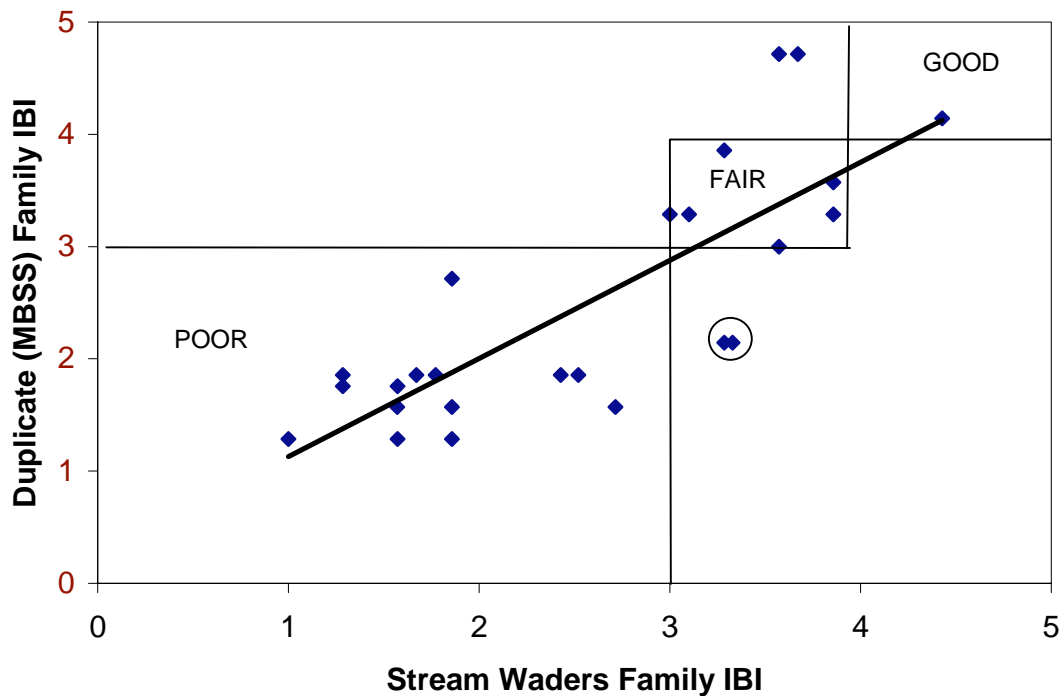


Figure 4. Stream Waders and MBSS Family IBI values from the same sites. Boxes indicate boundaries for Good, Fair, and Poor stream health ratings. The only pairs of samples that disagreed with respect to stream health category (i.e., poor or not) are circled. Overlapping points have been shifted slightly for clarity.

Conclusions

The pilot year for Stream Waders was a success. Aside from acquiring data from 667 sites that will be used to supplement MBSS data in watershed reports, DNR now has a comprehensive, statewide mechanism for including Maryland's citizens in the watershed assessment process. We also have a way to educate a large number of citizens on stream stewardship and ecology.

In the future, we plan to improve the program by increasing the number of quality control samples. This may be done by encouraging more volunteers to collect their samples early in the sampling season. We will work to reduce the number of "unusable" samples by providing better training in sample collection and preservation. We also hope to encourage more local governments and citizen organizations to suggest sites that are of interest to them, increasing the utility of the data.

At less than \$1,500 per subwatershed, Stream Waders is a cost-effective way of supplementing the results of the Maryland Biological Stream Survey. With the increased coverage provided by Stream Waders, other government agencies and watershed organizations will have an additional tool to help identify streams in need of protection or restoration. However, a long-term and stable source of funds is needed to keep Stream Waders going into the future.

References

MDNR 1998. Development of a Benthic Index of Biotic Integrity for Maryland Streams. Maryland Department of Natural Resources. Annapolis, Maryland.

MDNR 2000. Maryland Biological Stream Survey Laboratory Methods for Benthic Macroinvertebrate Processing and Taxonomy. Maryland Department of Natural Resources. Annapolis, Maryland.

MDNR 2001a. Maryland Stream Waders Volunteer Stream Monitoring Manual. Maryland Department of Natural Resources. Annapolis, Maryland.

MDNR 2001b. Maryland Biological Stream Survey Sampling Manual. Maryland Department of Natural Resources. Annapolis, Maryland.

For More Information...

For more information on the Maryland Stream Waders Program, wade on over to www.dnr.state.md.us/mbss/waders.html. Our web site provides an overview of the Program, periodic updates on annual training sessions, and a searchable database. You can also drop us an email at streamwaders@dnr.state.md.us, or call toll free (in Maryland) 1-877-620-8DNR (x8623). Our local phone number is 410-260-8623. Lastly, you can send land mail to either Dan Boward or Rita Bruckler at:

Maryland Department of Natural Resources
Monitoring and Non-tidal Assessment Division
580 Taylor Avenue, C-2
Annapolis, Maryland 21401

Appendix A. List of organizations using Maryland Biological Stream Survey/Stream Waders Field methods to collect benthic macroinvertebrates.

Aberdeen Proving Grounds (U.S. Army)
Baltimore City Department of Public Works
Carroll County Department of Water Resource Planning
Herring Run Watershed Association
Howard County Department of Public Works
Indian Head Naval Base (U.S. Navy)
Maryland-National Capitol Parks and Planning Commission
Montgomery County Department of Environmental Protection
National Park Service
Parkers Creek Task Force/Calverton High School
Prince Georges County Department of Environmental Resources
Ridge and Valley Stream Keepers
St. Marys College
University of Maryland

Appendix B. Stream Waders sites in the watersheds sampled in March and April 2000 with stream name, site number, nearest road(s), and stream condition rating (based on the family-level Index of Biotic Integrity). Additional information, such as a list of benthic macroinvertebrate families found at each site, can be found at <http://mddnr.chesapeakebay.net/mbss/streamwaders.cfm>

Stream Waders results in the **Aberdeen Proving Ground** watershed (total sites = 5)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Delph Cr	1125-2	Michaelsville Road	Harford	1.9	Poor
Delph Cr	1125-3	Michaelsville Road	Harford	1.3	Poor
Mosquito Cr	1125-4	Bomb Proof Road	Harford	1.9	Poor
Romney Cr N Br	1126-6	Perryman Test Course	Harford	1.0	Poor
Woodrest Cr	1126-10	Bomb Proof Road	Harford	1.0	Poor

Stream Waders results in the **Brighton Dam** watershed (total sites = 17)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Cabin Br	970-1	Woodbine Road	Howard	3.9	Fair
Cabin Br	970-3	Florence Road	Howard	4.1	Good
Cabin Br	970-5	Hipsley Mill Road	Howard	4.4	Good
Cabin Br UT	970-2	Woodbine Road	Howard	5.0	Good
Cabin Br UT	970-4	Shaffers Mill Road	Howard	4.4	Good
Cattail Cr UT	968-1	3635 Daisy Road	Howard	4.1	Good
Cattail Cr UT	968-2	Daisy Road at Daisy U.M.C.	Howard	3.9	Fair
Cattail Cr UT	972-1	Route 94 ramp to Interstate 70 east	Howard	5.0	Good
Cattail Cr UT	973-1	Route 144 east of Addison Way	Howard	3.9	Fair
Cattail Cr UT	973-2	Route 144	Howard	1.9	Poor
Cattail Cr UT	973-3	Route 144	Howard	4.1	Good
Patuxent R	966-1	Georgia Avenue	Montgomery	5.0	Good
Patuxent R	969-1	Halterman Road	Montgomery	5.0	Good
Patuxent R UT	967-1	Triadelphia Mill Road	Howard	2.7	Poor
Patuxent R UT	969-2	Annapolis Rock Road	Montgomery	3.6	Fair
Patuxent R UT	969-4	Gue Road	Montgomery	3.9	Fair
Scotts Br	969-3	Mullinix Mill Road	Montgomery	3.6	Fair

Note: In the "Condition" column, * denotes those sites with samples having fewer than 60 organisms. The IBI was calculated after determining that the site was likely degraded, using best professional judgement. Information for other sites with samples having fewer than 60 organisms are not reported here. UT = unnamed tributary.

Appendix B (cont.)

Stream Waders results in the **Casselman River** watershed (total sites = 35)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Casselman R	32-1	Route 495	Garrett	3.9	Fair
Casselman R	32-2		Garrett	4.4	Good
Casselman R	32-4	Route 495	Garrett	4.7	Good
Church Run UT	37-4	north of Route 40	Garrett	4.7	Good
Meadow Run	35-1	Route 40	Garrett	1.6	Poor
Meadow Run	35-2	Chestnut Ridge Road	Garrett	1.6	Poor
Meadow Run	35-3	Chestnut Ridge Road	Garrett	1.6	Poor
Meadow Run	35-5	East Shale Road	Garrett	3.6	Fair
Meadow Run UT	35-4	East Shale Road	Garrett	1.3	Poor
North Br Casselman R	30-1	Legeer Road	Garrett	4.7	Good
North Br Casselman R	30-2	Legeer Road	Garrett	5.0	Good
North Br Casselman R	30-3	Legeer Road	Garrett	4.7	Good
North Br Casselman R	30-4	Legeer Road	Garrett	5.0	Good
Piney Cr	37-1	Meyersdale Road	Garrett	4.7	Good
Piney Cr	38-4	Piney Run Road	Garrett	3.6	Fair
Piney Cr UT	37-5	Piney Run Road	Garrett	3.6	Fair
Piney Cr UT	38-1	north of Route 40	Garrett	1.9	Poor
Piney Cr UT	38-2	Finzel Road	Garrett	3.3	Fair
Piney Cr UT	38-3	Finzel Road	Garrett	4.7	Good
Piney Cr UT	38-5	Dam Road	Garrett	3.0	Fair
Red Run	36-1	Meyersdale Road	Garrett	4.7	Good
Red Run	36-2	Meyersdale Road	Garrett	3.0	Fair
Red Run	36-3	Meyersdale Road	Garrett	1.9	Poor
Red Run	36-5	Lower New German Road	Garrett	1.9	Poor
Red Run UT	36-4	Avilton Road	Garrett	3.6	Fair
South Br Casselman R	33-1	Jennings Road	Garrett	3.6	Fair
South Br Casselman R	33-2	Jennings Road	Garrett	3.9	Fair
South Br Casselman R	33-4	Jennings Road	Garrett	3.3	Fair
South Br Casselman R	33-5	Jennings Road	Garrett	4.4	Good
South Br Casselman R	33-6	Brenneman Road	Garrett	3.3	Fair
South Br Casselman R	33-7	Brenneman Road	Garrett	3.3	Fair
South Br Casselman R	33-8	Brenneman Road	Garrett	3.3	Fair
South Br Casselman R	33-10	Brenneman Road	Garrett	2.1	Poor
Twomile Run	37-2	just north of Route 40	Garrett	2.7	Poor
Twomile Run	37-3	West Blocher Road	Garrett	4.4	Good

Appendix B (cont.)

Stream Waders results in the **Corsica River** watershed (total sites = 9)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Alder Br	395-1	Spaniard Neck Road	Queen Anne's	4.7	Good
Emory Cr	395-2	Spaniard Neck Road	Queen Anne's	1.9	Poor
Emory Cr	395-3	Coon Box Road	Queen Anne's	1.3	Poor
Earle Cr UT	395-4	Corsica Neck Road	Queen Anne's	1.9	Poor
Mill Stream Br UT	396-2	Rolling Bridge Road	Queen Anne's	1.9	Poor
Mill Stream Br	396-4	Route 301	Queen Anne's	4.4	Good
Mill Stream Br	396-5	Rolling Bridge Road	Queen Anne's	3.6	Fair
Three Bridges Br	397-2	Carville Lane	Queen Anne's	2.4	Poor
Three Bridges Br	397-3	Hope Road (Route 305)	Queen Anne's	1.6	Poor

Stream Waders results in the **Fifteen Mile Creek** watershed (total sites = 13)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Black Sulphur Run	138-3	Black Sulphur Spring Road	Allegany	4.1	Good
Black Sulphur Run	138-4	Sugar Bottom Road	Allegany	4.7	Good
Black Sulphur Run	138-5	George Road	Allegany	3.6	Fair
Black Sulphur Run UT	138-1	Williams Road	Allegany	3.9	Fair
Black Sulphur Run UT	138-2	Black Sulphur Creek Road	Allegany	3.3	Fair
Deep Run	134-3	Fifteen Mile Creek Road	Allegany	5.0	Good
Deep Run	134-5	East Valley Road	Allegany	4.7	Good
Deep Run UT	134-4	Fifteen Mile Creek Road	Allegany	2.7	Poor
Fifteenmile Cr	135-2	Mountain Road	Allegany	3.3	Fair*
Fifteenmile Cr	135-4	Mountain Road	Allegany	4.4	Good
Fifteenmile Cr	137-4	Carpenter Road	Allegany	3.9	Fair
Pine Lick Hollow	137-3	Carpenter Road	Allegany	3.6	Fair
White Sulphur Run	137-2	Wallizer Road	Allegany	3.3	Fair*

Appendix B (cont.)

Stream Waders results in the **Liberty Reservoir** watershed (total sites = 40)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Beaver Run	1057-4	Bollinger Road	Carroll	3.6	Fair
Beaver Run	1057-6	Hughes Road	Carroll	4.1	Good
Beaver Run	1057-8	Green Mill Road	Carroll	3.6	Fair
Beaver Run UT	1057-7	Hughes Road	Carroll	3.3	Fair
Chimney Br	1046-1	Wards Chapel Road	Baltimore	3.3	Fair
Cranberry Branch	1061-2	Monks Way	Carroll	3.6	Fair
Cranberry Branch UT	1061-5	Sullivan Road	Carroll	1.9	Poor
Joe Br	1050-1	Jim Bowers Road	Carroll	4.4	Good
Little Morgan Run	1049-1	Linton Road	Carroll	4.1	Good
Little Morgan Run	1049-2	Klees Mill Road	Carroll	4.4	Good
Little Morgan Run	1049-5	Bartholow Road	Carroll	3.6	Fair
Little Morgan Run	1049-6	Bartholow Road	Carroll	3.3	Fair
Little Morgan Run	1055-1	Nicodemus Road	Carroll	3.6	Fair
Little Morgan Run	1055-4	Hunters Choice Road	Carroll	4.7	Good
Little Morgan Run UT	1049-3	Cherry Tree Lane	Carroll	3.0	Fair
Little Morgan Run UT	1049-4	Cherry Tree Lane	Carroll	3.9	Fair
Middle Run	1056-4	Bird View Road	Carroll	2.1	Poor
Middle Run	1057-5	Bollinger Road	Carroll	3.3	Fair
Middle Run UT	1056-3	Bird View Road	Carroll	3.9	Fair
Morgan Run	1050-2	Jim Bowers Road	Carroll	3.3	Fair
Morgan Run	1050-3	London Bridge Road	Carroll	3.6	Fair
Morgan Run UT	1053-3	Bloom Road	Carroll	4.7	Good
Morgan Run UT	1053-5	Bloom Road	Carroll	3.9	Fair
N Br Patapsco R UT	1046-93	Sunset Lane	Carroll	4.7	Good
N Br Patapsco River UT	1046-92	Snowden Run Road	Carroll	4.7	Good
Norris Run	1048-3	Ivy Mill Road	Baltimore	2.7	Poor
North Br Patapsco R	1048-2	Prestwick Court	Carroll	3.0	Fair
North Br Patapsco R UT	1046-2	Snowdens Run Road	Carroll	3.6	Fair
North Br Patapsco R UT	1046-3	Sunset Drive	Carroll	3.6	Fair
North Br Patapsco R UT	1046-4	Bennett Road	Carroll	3.6	Fair
North Br Patapsco R UT	1046-5	Oklahoma Road	Carroll	3.0	Fair
North Br Patapsco R UT	1048-1	Hollingsworth Road	Carroll	3.6	Fair
North Br Patapsco R UT	1050-9	London Bridge Road	Carroll	3.3	Fair
Prugh Br	1056-2	Louisville Road	Carroll	3.3	Fair
Roaring Run	1048-5	Brown Road	Carroll	3.9	Fair
Timber Run	1048-4	Ivy Mill Road	Baltimore	5.0	Good

Appendix B (cont.)

Stream Waders results in the **Liberty Reservoir** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
West Br	1062-1	Westminster Manchester Road	Carroll	1.9	Poor
West Br	1062-4	Baltimore Boulevard	Carroll	1.3	Poor
West Br	1062-5	Route 27	Carroll	3.0	Fair
West Br UT	1062-2	Lemmon Road	Carroll	3.3	Fair

Stream Waders results in the **Little Patuxent River** watershed (total sites = 50)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Dorsey Br	952-1	Route 108	Howard	1.3	Poor*
Dorsey Br	952-2	Summer Cloud Way	Howard	1.9	Poor*
Dorsey Br UT	952-3	April Brook Circle	Howard	1.0	Poor*
Dorsey Run	952-4	Route 1	Howard	1.9	Poor*
Little Patuxent R	948-3	Brock Bridge Road	Anne Arundel	3.6	Fair
Little Patuxent R	951-1	Foundry Street	Howard	1.6	Poor
Little Patuxent R	951-2	Volmerhausen Road	Howard	2.1	Poor
Little Patuxent R	954-2	Stevens Forest Road	Howard	1.9	Poor
Little Patuxent R	954-92	Stevens Forest Road	Howard	1.3	Poor
Little Patuxent R	955-1	Leaftreader Way	Howard	2.7	Poor
Little Patuxent R	957-1	Frederick Road	Howard	3.3	Fair
Little Patuxent R	957-5	Gwynn Park Drive	Howard	3.9	Fair
Little Patuxent R	957-6	Route 40	Howard	3.3	Fair
Little Patuxent R	957-91	Frederick Road	Howard	3.9	Fair
Little Patuxent R	957-95	Gwynn Park Drive cul-de-sac	Howard	3.6	Fair
Little Patuxent R UT	946-2	Route 424 and Bragers Road	Anne Arundel	1.3	Poor
Little Patuxent R UT	946-4		Anne Arundel	1.6	Poor
Little Patuxent R UT	946-5	Cronson Boulevard	Anne Arundel	2.7	Poor
Little Patuxent R UT	946-6	5th Avenue and Route 170	Anne Arundel	1.0	Poor
Little Patuxent R UT	951-3	Mary Lane	Howard	3.0	Fair
Little Patuxent R UT	951-4	Corridor Road	Howard	2.1	Poor
Little Patuxent R UT	953-1	Tamar Drive	Howard	1.9	Poor
Little Patuxent R UT	953-2	Tamar Drive	Howard	1.3	Poor
Little Patuxent R UT	953-3	Old Montgomery Road	Howard	1.9	Poor
Little Patuxent R UT	953-4	Little Patuxent Parkway	Howard	1.6	Poor
Little Patuxent R UT	953-5	Oakland Mills Road	Howard	1.3	Poor
Little Patuxent R UT	954-1	Symphony Woods Road	Howard	1.6	Poor

Appendix B (cont.)

Stream Waders results in the Little Patuxent River watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Little Patuxent R UT	954-3	Cradlerock Way	Howard	1.9	Poor
Little Patuxent R UT	954-4	Seneca Drive	Howard	1.9	Poor
Little Patuxent R UT	954-91	Symphony Woods Road	Howard	1.9	Poor
Little Patuxent R UT	954-93	Cradlerock Way	Howard	2.7	Poor
Little Patuxent R UT	954-94	Seneca Drive	Howard	1.6	Poor
Little Patuxent R UT	955-2	Hyla Brook Road	Howard	1.6	Poor
Little Patuxent R UT	955-3	Hyla Brook Road	Howard	1.3	Poor
Little Patuxent R UT	955-4	Woodland Road	Howard	2.7	Poor
Little Patuxent R UT	955-5	Eliots Oak Way	Howard	2.4	Poor
Little Patuxent R UT	957-2	Font Hill Drive	Howard	3.3	Fair
Little Patuxent R UT	957-3	Centennial Lane	Howard	4.4	Good
Little Patuxent R UT	957-4	Burnside Drive	Howard	3.6	Fair
Little Patuxent R UT	957-92	Font Hill Drive	Howard	3.3	Fair
Little Patuxent R UT	957-93	Centennial Lane	Howard	3.6	Fair
Little Patuxent R UT	957-94	Burnside Drive	Howard	3.0	Fair
Midway Br	949-1	Rockenbach Road	Anne Arundel	1.6	Poor
Plumtree Br	956-2	Chatham Road	Howard	1.6	Poor*
Plumtree Br	956-3	Columbia Road	Howard	1.9	Poor
Plumtree Br UT	956-1	North Chatham Road	Howard	1.3	Poor
Rogue Harbor Br	949-4	Route 32	Anne Arundel	3.0	Fair
Towsers Br	947-4	Brickhead Road	Anne Arundel	2.1	Poor
Towsers Br	947-6	Dairy Farm Road	Anne Arundel	1.3	Poor
Towsers Br	947-7	Waugh Chapel Road	Anne Arundel	3.0	Fair

Appendix B (cont.)

Stream Waders results in the **Lower Wicomico River** watershed (total sites = 16)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Beaglin Br	561-2	Beaglin Park Road	Wicomico	2.7	Poor
Beaglin Br	561-3	Glen Avenue	Wicomico	2.7	Poor
Beaglin Br	561-4	Tilghman Road	Wicomico	3.0	Fair
Beaglin Br	561-5	Autumn Grove Court	Wicomico	2.4	Poor
Beaverdam Cr	561-1	North Park Drive	Wicomico	3.0	Fair
Cottonpatch Cr	559-4	Pemberton Drive	Wicomico	1.3	Poor
Cutmptico Cr	557-3	South Upper Ferry Road	Wicomico	1.9	Poor
Owens Br	559-3	Ocean Gateway (Route 50)	Wicomico	1.9	Poor
Owens Cr	559-2	Brick Kiln Road	Wicomico	1.9	Poor
Tony Tank Cr	558-2	Nutters Cross Road	Wicomico	1.3	Poor
Walston Br UT	560-2	Airport Road and Har-Par Court	Wicomico	1.9	Poor
Ward Br	560-4	Eastwood Circle	Wicomico	3.3	Fair
Ward Br	560-5	Hinman Road	Wicomico	3.3	Fair
Ward Br UT	560-1	Airport Road	Wicomico	1.3	Poor
Ward Br UT	560-3	Airport and Johnson Roads	Wicomico	1.9	Poor
Wicomico R UT	557-4	South Upper Ferry Road	Wicomico	1.6	Poor

Stream Waders results in the **Marsh Run** watershed (total sites = 12)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Marsh Run	185-4	Sprecher Road	Washington	1.3	Poor
Marsh Run	185-7	Taylor's Landing Road	Washington	2.4	Poor
Marsh Run	185-97	Taylor's Landing Road	Washington	1.9	Poor
Marsh Run UT	185-5	Taylor's Landing Road	Washington	1.9	Poor
Marsh Run UT	186-1	Route 68	Washington	2.4	Poor
Marsh Run UT	186-2	Spielman Road	Washington	2.7	Poor
Marsh Run UT	185-6	Taylor's Landing Road	Washington	2.4	Poor
Marsh Run UT	185-8	Shaffer Road	Washington	1.3	Poor
Marsh Run UT	185-98	Shaffer Road	Washington	1.3	Poor
St James Run	185-1	Shawley's Lane	Washington	1.3	Poor
St James Run	185-2	Jordan Road	Washington	1.6	Poor
St James Run	185-3	Spielman Road	Washington	2.7	Poor

Appendix B (cont.)

Stream Waders results in the **Mattawoman Creek** watershed (total sites = 46)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Jenkins Cr	781-8	Route 225	Charles	4.4	Good
Mattawoman Cr	781-10	Routes 224 and 225	Charles	4.4	Good
Mattawoman Cr	781-9	Route 224	Charles	3.6	Fair
Mattawoman Cr	783-1	Bumpy Oak Road	Charles	3.3	Fair
Mattawoman Cr	783-4	Bumpy Oak Road	Charles	3.3	Fair
Mattawoman Cr	784-2	Foxburrow Place	Charles	4.1	Good
Mattawoman Cr	787-4	Marbella Drive	Prince George's	3.3	Fair
Mattawoman Cr	788-1	Route 301/5	Prince George's	3.0	Fair
Mattawoman Cr	788-4	Cedarville Road	Prince George's	1.3	Poor
Mattawoman Cr UT	780-1	Olsen Road	Charles	1.3	Poor
Mattawoman Cr UT	780-2	Bronson Road	Charles	1.6	Poor
Mattawoman Cr UT	780-3	Hersey Road	Charles	1.9	Poor
Mattawoman Cr UT	780-5	Route 224	Charles	4.4	Good
Mattawoman Cr UT	781-1	Route 225	Charles	3.3	Fair
Mattawoman Cr UT	781-2	Route 224	Charles	4.7	Good
Mattawoman Cr UT	781-3	Laurel Drive	Charles	5.0	Good
Mattawoman Cr UT	781-4	Route 224	Charles	4.7	Good
Mattawoman Cr UT	781-5	Creedon Drive	Charles	1.9	Poor
Mattawoman Cr UT	781-6	Chapman's Landing Road	Charles	3.0	Fair
Mattawoman Cr UT	781-7	Route 224	Charles	4.7	Good
Mattawoman Cr UT	782-1	Route 225	Charles	3.6	Fair
Mattawoman Cr UT	782-2	Route 225	Charles	4.4	Good
Mattawoman Cr UT	782-3	Route 225	Charles	4.7	Good
Mattawoman Cr UT	782-5	Myrtle Grove WMA access road	Charles	1.9	Poor
Mattawoman Cr UT	783-2	Bumpy Oak Road	Charles	3.9	Fair
Mattawoman Cr UT	783-3	Bumpy Oak Road	Charles	1.9	Poor
Mattawoman Cr UT	783-5	Bumpy Oak Road	Charles	3.0	Fair
Mattawoman Cr UT	783-6	Myrtle Grove WMA access road	Charles	3.6	Fair
Mattawoman Cr UT	784-4	Eutaw Forest Drive	Charles	4.4	Good
Mattawoman Cr UT	784-5	Bensville Road	Charles	3.9	Fair
Mattawoman Cr UT	786-1	Moran Drive	Charles	1.6	Poor
Mattawoman Cr UT	786-2	Timberbrook Drive	Charles	2.1	Poor
Mattawoman Cr UT	786-5	Accokeek Road	Prince George's	3.0	Fair
Mattawoman Cr UT	787-1	Clymer and Berry Roads	Prince George's	3.0	Fair
Mattawoman Cr UT	787-3	Robin Dale Country Club	Prince George's	3.6	Fair
Mattawoman Cr UT	788-2	Cedarville Road	Prince George's	1.9	Poor

Appendix B (cont.)

Stream Waders results in the **Mattawoman Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Mattawoman Cr UT	788-5	Military Reservation Road	Prince George's	1.9	Poor
Old Womans Run	784-1	Foxburrow Place	Charles	4.7	Good
Old Womans Run	784-3	Bensville Road	Charles	4.1	Good
Piney Br	785-3	Middletown Road	Charles	3.3	Fair
Piney Br	785-4	Davis Road	Charles	4.1	Good
Piney Br UT	785-1	St. Patrick's Drive	Charles	2.7	Poor
Piney Br UT	785-2	Impala Court	Charles	2.1	Poor
Timothy Br	787-2	McKendree Road	Prince George's	2.7	Poor
Timothy Br	787-5	Kathleen Lane	Prince George's	1.9	Poor
Timothy Br	787-6	McKendree Road	Charles	2.4	Poor

Stream Waders results in the **Monie Bay** watershed (total = 7 sites)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Dames R UT	543-1	Route 363 and Riley Roberts Road	Somerset	1.9	Poor
Dames Quarter Cr	543-2	Route 363 west of bridge	Somerset	1.0	Poor*
Monie Cr	543-3	Drawbridge Road	Somerset	1.6	Poor*
Harper Cr	544-1	Route 362	Somerset	1.3	Poor
Monie Cr	544-2	West Ridge Road	Somerset	1.0	Poor
Monie Cr UT	544-3	West Ridge Road	Somerset	1.0	Poor
Monie Cr UT	544-4	West Ridge Road	Somerset	1.0	Poor

Stream Waders results in the **Nanjemoy Creek** watershed (total = 10 sites)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Nanjemoy Cr UT	776-1	Route 6	Charles	3.0	Fair
Hancock Run	777-1	Hancock Run Road	Charles	3.0	Fair
Jane Berrys Run	778-1	Routes 6 and 425	Charles	4.4	Good
Jane Berrys Run UT	778-2	Smallwood Church Road	Charles	3.3	Fair
Jane Berrys Run UT	778-3	Smallwood Church Road	Charles	3.6	Fair
Mill Run	779-1	Mill Swamp Road	Charles	4.7	Good
Mill Run UT	779-2	Hedges Place	Charles	3.3	Fair
Mill Run	779-3	Poor House Road	Charles	3.3	Fair
Mill Run UT	779-4	Tipton Place	Charles	4.7	Good
Mill Run UT	779-5	Tipton Place	Charles	4.1	Good

Appendix B (cont.)

Stream Waders results in the Patapsco River Lower North Branch watershed (total = 16 sites)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Bens Run	1018-1	Ridge Road	Baltimore	1.9	Poor
Brice Run	1019-1	Wrights Mill Road	Baltimore	1.6	Poor
Deep Run	1014-1	Old Stockbridge Drive	Howard	1.0	Poor
Deep Run	1014-2	Meadowridge Road	Howard	1.3	Poor
Deep Run	1014-4	Dorsey Road	Howard	1.6	Poor
Deep Run	1016-2	Race and Hanover Roads	Howard	1.3	Poor
Deep Run UT	1014-3	Montevideo Road	Howard	3.3	Fair*
Deep Run UT	1015-1	Bellanca Drive	Howard	2.7	Poor
Deep Run UT	1015-2	Route 1 and Troy Hill Drive	Howard	1.6	Poor
Deep Run UT	1015-3	Route 1 and Amberton Drive	Howard	1.6	Poor
Deep Run UT	1015-4	Hanover Road	Howard	1.0	Poor*
Deep Run UT	1015-5	Melrose and Glenmore Avenues	Howard	1.3	Poor
Piney Run	1013-1	Race Road	Anne Arundel	1.9	Poor
Piney Run	1013-4	Dorsey Road	Anne Arundel	1.6	Poor
Rockburn Br	1016-1	River Road	Howard	3.3	Fair
Sucker Br	1017-1	Park Drive	Howard	1.6	Poor

Stream Waders results in the Potomac River/Washington County watershed (total sites = 41)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Camp Spring Run	163-2	Big Pool and Big Spring Roads	Washington	2.1	Poor
Camp Spring Run	163-4	National Pike (Route 40)	Washington	4.1	Good
Camp Spring Run	163-5	Charles Mill Road	Washington	1.3	Poor
Camp Spring Run UT	163-1	Boyd Road	Washington	2.7	Poor
Camp Spring Run UT	163-3	National Pike (Route 40)	Washington	2.4	Poor
Downey Br	165-3	Avis Mill Road	Washington	2.7	Poor
Downey Br	165-4	Spielman Road	Washington	1.6	Poor
Downey Br	165-5	Spielman Road	Washington	1.6	Poor
Downey Br	165-6	Spielman Road	Washington	1.6	Poor
Downey Br	165-93	Avis Mill Road	Washington	1.6	Poor
Downey Br	165-95	Spielman Road (Route 63)	Washington	1.3	Poor
Green Spring Run	162-3	Cove Road	Washington	3.9	Fair
Green Spring Run	162-4	McCoys Ferry Road	Washington	3.0	Fair
Green Spring Run	162-5	McCoys Ferry Road	Washington	2.7	Poor

Appendix B (cont.)

Stream Waders results in the Potomac River/Washington County watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Green Spring Run	162-6	McCoy's Ferry Road	Washington	2.7	Poor
Green Spring Run UT	162-1	Orebank Road	Washington	3.0	Fair
Green Spring Run UT	162-2	Cove and Boyd Roads	Washington	3.0	Fair
Potomac R UT	159-1	Hollow Road	Washington	4.1	Good
Potomac R UT	159-3	Hollow Road	Washington	3.6	Fair
Potomac R UT	160-1	Park Head Road	Washington	3.6	Fair
Potomac R UT	160-2	Park Head and Galilee Roads	Washington	1.6	Poor
Potomac R UT	161-1	Routes 40 and 56	Washington	1.6	Poor
Potomac R UT	161-2	Big Pool Road	Washington	1.9	Poor
Potomac R UT	164-1	Bottom Road	Washington	3.0	Fair
Potomac R UT	164-2	Bottom Road	Washington	1.0	Poor
Potomac R UT	164-3	Bottom Road	Washington	1.3	Poor
Potomac R UT	164-5	Bottom Road	Washington	1.0	Poor
Potomac R UT	166-1	Snyder's Landing Road	Washington	1.3	Poor
Potomac R UT	166-2	Mondell Road	Washington	1.6	Poor
Potomac R UT	166-3	Taylor's Landing Road	Washington	1.9	Poor
Potomac R UT	166-4	Sharpsburg Pike	Washington	1.3	Poor
Potomac R UT	166-5	Sharpsburg Pike	Washington	1.0	Poor
Potomac R UT	166-91	Taylor's Landing Road	Washington	1.9	Poor
Potomac R UT	166-92	Mondell and Bowie Roads	Washington	1.9	Poor
Potomac R UT	167-1	Sandy Hook Road	Washington	1.9	Poor
Potomac R UT	167-2	Harper's Ferry Road	Washington	3.0	Fair
Potomac R UT	167-3	Harper's Ferry Road	Washington	5.0	Good
Potomac R UT	167-4	Harper's Ferry Road	Washington	3.9	Fair
Potomac R UT	167-5	Limekiln Road	Washington	3.9	Fair
Potomac R UT	167-92	Sandy Hook Road	Washington	3.3	Fair
Potomac R UT	167-95	Mount Lock Hill Road	Washington	3.3	Fair

Appendix B (cont.)

Stream Waders results in the **Prettyboy Reservoir** watershed (total sites = 16)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Compass Run	313-4	Gunpowder Road	Baltimore	3.3	Fair
Frog Hollow	313-3	Spooks Hill	Baltimore	3.9	Fair
Georges Run	314-2	Maple Grove	Carroll	1.3	Poor
Gunpowder Falls	316-2	Gunpowder Road	Baltimore	3.3	Fair*
Gunpowder Falls	316-4	Grave Run Road	Carroll	3.3	Fair*
Gunpowder Falls UT	313-1	Clipper Mill Road	Baltimore	4.4	Good
Gunpowder Falls UT	316-6	Alesia Road	Carroll	3.6	Fair
Indian Run	315-1	Falls Road	Carroll	3.6	Fair*
Muddy Cr	316-3	Grave Run Road	Carroll	3.3	Fair
Muddy Cr UT	316-5	Lineboro Road E	Carroll	4.7	Good
Murphy Run	314-3	Marshall Mill Road	Baltimore	3.9	Fair
Poplar Run	313-2	Gunpowder Road	Baltimore	4.7	Good
Poplar Run	313-5	Church Road	Baltimore	3.3	Fair
South Br Gunpowder Falls	317-2	Ferrier Road	Carroll	4.7	Good
South Br Gunpowder Falls UT	317-3	Black Rock Road	Carroll	3.6	Fair
Walker Run	316-1	Baker School House Road	Baltimore	3.3	Fair*

Stream Waders results in the **St. Mary's River** watershed (total sites = 23)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Adams Cr	709-3	Cherryfield Road	St. Mary's	3.0	Fair
Carthagera Cr	709-2	Drayden Road	St. Mary's	2.4	Poor
Hilton Run	715-2	Willows Road	St. Mary's	4.7	Good
Hilton Run	715-3	Route 5	St. Mary's	3.6	Fair
Jarboesville Run	717-3	Pegg Road	St. Mary's	1.6	Poor*
Johns Creek	714-4	Flat Iron Road and Route 5	St. Mary's	5.0	Good
North Br Locust Grove Cove	709-5	Andover Estates Road	St. Mary's	1.6	Poor*
Pembrook Run	716-2	Route 5	St. Mary's	3.6	Fair*
Pembrook Run UT	716-1	Hermanville Road	St. Mary's	3.6	Fair
St Inigoes Cr	710-2	Route 5	St. Mary's	2.1	Poor
St Marys R	714-2	Indian Bridge Road	St. Mary's	4.1	Good
St Marys R	717-1	Norris Road	St. Mary's	3.3	Fair
St Marys R	717-2	Indian Bridge Road	St. Mary's	3.3	Fair
St Marys R	719-1	St. Andrew's Church Road	St. Mary's	4.1	Good
St Marys R	719-2	Wildewood Parkway	St. Mary's	1.9	Poor

Appendix B (cont.)

Stream Waders results in the **St. Mary's River** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
St Marys R UT	710-1	Route 5	St. Mary's	1.9	Poor
St Marys R UT	713-4	Frog's Marsh Road	St. Mary's	1.0	Poor
St Marys R UT	719-3	Norris Road	St. Mary's	4.4	Good
St Marys R UT	719-4	Old Rolling Road	St. Mary's	4.7	Good
St Marys R UT	719-5	Old Rolling Road	St. Mary's	4.4	Good
Warehouse Run	714-5	Flat Iron Road	St. Mary's	3.3	Fair
Western Br	718-2	Indian Bridge Road	St. Mary's	2.1	Poor
Western Br UT	718-1	Indian Bridge Road	St. Mary's	1.9	Poor

Stream Waders results in the **South Branch Patapsco River** watershed (total sites = 38)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Buckhorn Run	1023-5	Buckhorn Road	Carroll	5.0	Good
Four Mile Run	1030-4	Gillis Falls Road	Carroll	3.6	Fair
Four Mile Run	1030-5	John Pickett Road	Carroll	3.6	Fair
Gillis Falls	1025-1	Grimville Road	Carroll	3.9	Fair
Gillis Falls	1030-2	Gillis Road	Carroll	4.1	Good
Gillis Falls	1031-1	Amberly Drive	Carroll	3.9	Fair
Gillis Falls	1031-3	Braddock Road	Carroll	3.0	Fair
Gillis Falls	1031-4	Skidmore Road	Carroll	4.7	Good
Gillis Falls	1031-5	Liberty Road (Route 26)	Carroll	3.0	Fair
Middle Run	1029-4	Watersville Road	Carroll	3.0	Fair
Middle Run UT	1029-3	Gillis Falls Road	Carroll	4.4	Good
Piney Br	1026-1	Gaither Road	Carroll	4.1	Good
Piney Br	1026-2	Route 97	Carroll	3.9	Fair
Piney Br	1026-3	Route 97	Carroll	3.9	Fair
Piney Br	1026-4	Route 97	Carroll	3.9	Fair
Piney Br	1026-5	Route 97	Carroll	3.9	Fair
Piney Run	1023-1	Freter Road	Carroll	3.9	Fair
Piney Run	1023-3	White Rock Road	Carroll	3.9	Fair
Piney Run	1023-4	Hollenberry Road	Carroll	1.9	Poor
Piney Run UT	1021-1	Gardenia Street	Carroll	2.7	Poor
Piney Run UT	1021-2	Jasmine Avenue cul-de-sac	Carroll	3.6	Fair
Piney Run UT	1021-3	Brangels Road	Carroll	1.9	Poor

Appendix B (cont.)

Stream Waders results in the **South Branch Patapsco River** (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Piney Run UT	1021-5	Marriottsville Road	Carroll	3.9	Fair
Piney Run UT	1023-2	White Rock Road	Carroll	4.1	Good
Piney Run UT	1024-1	Route 32 and Circle Drive	Carroll	4.1	Good
Piney Run UT	1024-3	Slacks Road	Carroll	3.9	Fair
Piney Run UT	1024-4	Springfield State Hospital Grounds	Carroll	1.6	Poor
Piney Run UT	1024-5	Springfield State Hospital Grounds	Carroll	2.1	Poor
South Br Patapsco R UT	1020-1	Henryton Road	Howard	3.9	Fair
South Br Patapsco R UT	1020-2	High Stepper Trail	Howard	3.9	Fair
South Br Patapsco R UT	1020-3	River Road	Howard	3.3	Fair
South Br Patapsco R UT	1020-4	Henryton Road	Howard	3.3	Fair
South Br Patapsco R UT	1020-5	Marriottsville Road	Howard	3.6	Fair
South Br Patapsco R UT	1022-1	Day Road	Howard	3.9	Fair
South Br Patapsco R UT	1022-2	Schneider Drive	Carroll	3.3	Fair
South Br Patapsco R UT	1022-3	Amber Woods Way	Howard	3.6	Fair
South Br Patapsco R UT	1022-4	Amber Woods Way	Howard	3.9	Fair
South Br Patapsco R UT	1022-5	Schoolhouse Road	Carroll	3.0	Fair

Stream Waders results in the **Southeast Creek** watershed (total sites = 20)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Granny Finley Br	399-2	Lieby Road	Queen Anne's	3.6	Fair
Granny Finley Br	399-5	Route 213	Queen Anne's	3.9	Fair
Granny Finley Br UT	399-1	Clannihan Shop Road	Queen Anne's	3.0	Fair
Granny Finley Br UT	399-3	Clabber Hill Road	Queen Anne's	2.7	Poor
Island Cr	398-1	Coon Box Road	Queen Anne's	1.9	Poor
Island Cr	398-3	Route 213	Queen Anne's	1.3	Poor
Island Cr	398-4	Harper Road	Queen Anne's	2.7	Poor
Island Cr UT	398-2	Sparks Mill Road	Queen Anne's	1.6	Poor
Southeast Cr	401-1	Route 302 off Route 301	Queen Anne's	1.9	Poor
Southeast Cr	401-2	Route 19	Queen Anne's	3.3	Fair
Southeast Cr	401-3	Route 19	Queen Anne's	4.1	Good
Southeast Cr UT	400-1	Route 213	Queen Anne's	2.1	Poor
Southeast Cr UT	400-3	Clabber Hill Road	Queen Anne's	1.9	Poor
Southeast Cr UT	400-4	Southeast Creek Road	Queen Anne's	3.0	Fair
Southeast Cr UT	400-5	Inverness Drive	Queen Anne's	1.6	Poor
Southeast Cr UT	401-5	Route 301	Queen Anne's	4.1	Good

Appendix B (cont.)

Stream Waders results in the **Southeast Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Southeast Cr UT	402-1	Rabbit Hill Road	Queen Anne's	2.4	Poor
Southeast Cr UT	402-3	Crane Swamp Road	Queen Anne's	1.6	Poor
Southeast Cr UT	402-4	Route 301	Queen Anne's	1.6	Poor
Southeast Cr UT	402-5	Route 19	Queen Anne's	2.4	Poor

Stream Waders results in the **Swan Creek** watershed (total sites = 6)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Chesapeake Bay UT	1136-1	Old Bay Lane	Harford	1.0	Poor
Gasheys Cr	1135-4	Bryan Road	Harford	3.6	Fair
Swan Cr	1135-1	Route 32	Harford	3.3	Fair
Swan Cr	1135-2	Robinhood Road	Harford	3.6	Fair
Swan Cr	1135-3	Old Robinhood and Gilbert Roads	Harford	3.6	Fair
Swan Cr UT	1135-5	Oakington Road	Harford	3.3	Fair

Stream Waders results in the **Town Creek** watershed (total sites = 42)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Amorine Br	131-1	Gap Road	Allegany	4.7	Good
Amorine Br UT	131-2	Gap Road	Allegany	3.9	Fair
Bear Hollow Br	128-3	Bear Hill Road	Allegany	4.7	Good
Burnt House Hollow Run	128-2	Town Creek Road	Allegany	4.7	Good
Flintstone Cr	133-1	Flintstone Creek Road	Allegany	3.3	Fair
Flintstone Cr	133-2	Flintstone Creek Road	Allegany	4.1	Good
Flintstone Cr	133-3	Flintstone Creek Road	Allegany	3.6	Fair
Flintstone Cr	133-4	Baltimore Pike	Allegany	3.9	Fair
Flintstone Cr	133-5	Old National Pike	Allegany	2.7	Poor
Maple Run	127-1	Twigg Road	Allegany	5.0	Good
Maple Run	127-2	Twigg Road	Allegany	4.4	Good
Maple Run	127-3	Twigg Road	Allegany	3.9	Fair
Maple Run	127-4	Jacobs Road	Allegany	4.7	Good
Maple Run	127-5	Jacobs Road	Allegany	5.0	Good
Milkhouse Run	129-5	Town Creek Road	Allegany	4.7	Good
Murley Br	130-2	Williams Road SE	Allegany	3.0	Fair
Murley Br UT	130-4	Rolling Hills Lane	Allegany	1.6	Poor

Appendix B (cont.)

Stream Waders results in the **Town Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Railroad Hollow Run	126-5	Jacobs Road	Allegany	4.7	Good
Sawpit Run	123-3	Lower Town Creek Road	Allegany	4.7	Good
Sawpit Run	123-4	Route 51	Allegany	3.0	Fair
Sawpit Run UT	123-1	Wagner Road	Allegany	4.4	Good
Sawpit Run UT	123-2	Wagner Road	Allegany	3.6	Fair
Sawpit Run UT	123-5	Route 51	Allegany	3.3	Fair
Town Cr	122-2	Route 51	Allegany	4.4	Good
Town Cr	124-4	Lower Town Creek Road	Allegany	3.9	Fair
Town Cr	124-5	Lower Town Creek Road	Allegany	4.4	Good
Town Cr	128-1	Town Creek Road	Allegany	4.4	Good
Town Cr	128-4	Town Creek Road	Allegany	4.1	Good
Town Cr	129-1	Town Creek Road	Allegany	4.1	Good
Town Cr	129-3	Old Williams Road	Allegany	4.1	Good
Town Cr	131-3	Dry Ridge Road	Allegany	3.9	Fair
Town Cr	131-4	Dry Ridge Road	Allegany	4.7	Good
Town Cr UT	122-1	Maniford Road	Allegany	3.9	Fair
Town Cr UT	122-3	Southend Rod & Gun Club Road	Allegany	4.1	Good
Town Cr UT	122-4	Southend Rod & Gun Club Road	Allegany	2.4	Poor
Town Cr UT	122-5	Maniford Road	Allegany	1.9	Poor
Town Cr UT	124-1	Lower Town Creek Road	Allegany	3.3	Fair
Town Cr UT	124-2	Lower Town Creek Road	Allegany	3.9	Fair
Town Cr UT	124-3	Lower Town Creek Road	Allegany	3.6	Fair
Town Cr UT	129-2	Old Williams Road	Allegany	3.9	Fair
Town Cr UT	129-4	Town Creek Road	Allegany	3.6	Fair
Town Cr UT	131-5	Old National Pike	Allegany	4.7	Good

Appendix B (cont.)

Stream Waders results in the **Upper Choptank River** watershed (total sites = 94)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Beaverdam Br	483-1	Miller Road	Talbot	3.0	Fair*
Beaverdam Br	483-2	Miller Road	Talbot	3.0	Fair
Beaverdam Br	483-3	Miller Road	Talbot	3.0	Fair
Beaverdam Br	483-4	Miller Road	Talbot	2.4	Poor
Beaverdam Br	483-5	Miller Road	Talbot	3.0	Fair
Beaverdam Br	483-91	Councell and Miller Roads	Talbot	3.3	Fair
Choptank R UT	473-1	Boston Cliff Road	Talbot	1.9	Poor
Choptank R UT	473-2	Boston Cliff Road	Talbot	1.9	Poor
Choptank R UT	473-3	Boston Cliff Road	Talbot	2.1	Poor
Choptank R UT	473-4	Boston Cliff Road	Talbot	1.6	Poor
Choptank R UT	473-5	Boston Cliff Road	Talbot	1.9	Poor
Choptank R UT	475-4	Tanyard Road	Caroline	1.6	Poor*
Choptank R UT	479-1	Tanyard Road	Caroline	2.4	Poor
Choptank R UT	479-2	Tanyard Road	Caroline	2.4	Poor
Choptank R UT	488-1	Route 16	Caroline	4.7	Good
Choptank R UT	488-2	Cranfield Road	Caroline	1.3	Poor
Choptank R UT	488-3	Line Road	Caroline	1.3	Poor*
Choptank R UT	488-4	Cranfield and Dyer Roads	Caroline	1.0	Poor
Choptank R UT	488-5	Dyer Road	Caroline	3.0	Fair
Choptank R UT	494-1	Garland Road	Caroline	3.9	Fair
Choptank R UT	494-5	Greensboro Road (Route 313)	Caroline	3.9	Fair
Crowberry Cr	479-3	Tanyard Road	Caroline	2.4	Poor
Crowberry Cr	479-4	Tanyard Road	Caroline	1.9	Poor
Crowberry Cr	479-5	Tanyard and Bethlehem Roads	Caroline	1.0	Poor
Crowberry Cr	479-93	Tanyard Road	Caroline	1.9	Poor
Crowberry Cr	479-95	Bethlehem Road (Route 578)	Caroline	1.3	Poor
Dawsons Br	485-3	Ivans Road	Caroline	1.6	Poor
Fowling Cr	485-1	Nagel and Harmony Roads	Caroline	3.6	Fair
Fowling Cr	485-2	Wilkins Branch Road	Caroline	2.1	Poor
Fowling Cr UT	485-4	Auction Road	Caroline	1.6	Poor
Garey Mill Pond Br	494-4	Gregg Road	Caroline	3.9	Fair
Garey Mill Pond Br UT	494-2	Baker Road	Caroline	1.6	Poor
Herring Run	490-2	Shore Way	Caroline	3.6	Fair
Herring Run	490-3	Redden Road	Caroline	1.3	Poor*
Herring Run	490-4	Andersontown Road	Caroline	1.9	Poor*
Herring Run	490-5	Hobbs Road	Caroline	1.6	Poor
Hog Cr	484-1	Grove Road	Caroline	1.0	Poor
Hog Cr	484-2	Harris Road	Caroline	2.1	Poor

Appendix B (cont.)

Stream Waders results in the Upper Choptank River watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Hog Cr	484-3	Newton Road	Caroline	1.9	Poor
Hog Cr	484-4	Bethlehem Road	Caroline	1.6	Poor*
Hog Cr	484-5	Grove Road	Caroline	1.6	Poor
Kings Cr UT	481-1	Black Dog Road	Talbot	3.3	Fair
Kings Cr UT	481-2	Black Dog Road	Talbot	2.7	Poor
Kings Cr UT	481-3	Black Dog Road	Talbot	3.9	Fair
Kings Cr UT	481-4	Black Dog Road	Talbot	3.3	Fair
Kings Cr UT	481-5	Black Dog Road	Talbot	3.6	Fair
Kings Cr UT	481-91	Blackdog Alley	Talbot	2.1	Poor
Little Cr	477-2	Marsh Creek Road	Caroline	3.3	Fair
Little Cr UT	475-3	Tammuxzena Road	Caroline	1.0	Poor
Little Cr UT	477-1	Frazier Neck Road	Caroline	1.3	Poor
Little Cr UT	477-3	Bethlehem Road	Caroline	1.6	Poor
Little Cr UT	477-4	Bethlehem Road	Caroline	1.3	Poor
Little Cr UT	477-5	Bethlehem Road	Caroline	1.6	Poor
Manor Run	487-1	Denton Road (Route 328)	Caroline	3.3	Fair
Manor Run	487-2	Denton Road (Route 328)	Caroline	3.9	Fair
Manor Run	487-3	Denton Road (Route 328)	Caroline	4.1	Good
Miles Cr UT	472-1	Tarbutton Mill Road	Talbot	1.9	Poor
Miles Cr UT	472-2	Route 50	Talbot	1.6	Poor
Miles Cr UT	472-3	Backtown Road	Talbot	1.9	Poor
Miles Cr UT	472-4	Piney Hill Road	Talbot	3.3	Fair
Miles Cr UT	472-5	Wrights Mill Road	Talbot	2.1	Poor
Mitchell Run	478-1	Tanyard Road	Caroline	1.3	Poor
Mitchell Run	478-2	Tanyard Road	Caroline	1.0	Poor
Mitchell Run	478-3	Tanyard Road	Caroline	1.0	Poor
Mitchell Run	478-5	Tanyard Road	Caroline	1.9	Poor
Mitchell Run	478-91	Dover and Tanyard Roads	Caroline	1.9	Poor
Robins Cr	486-3	Laurel Grove Road	Caroline	3.0	Fair
Robins Cr	486-4	Harmony Road	Caroline	3.0	Fair
Robins Cr UT	486-1	Laurel Grove Road	Caroline	1.3	Poor
Robins Cr UT	486-2	Laurel Grove Road	Caroline	2.1	Poor*
Skeleton Cr	475-1	Skeleton Creek Road	Caroline	3.3	Fair
Skeleton Cr	475-2	Marsh Creek Road	Caroline	2.1	Poor
Skeleton Cr	475-5	Poplar Neck Road	Caroline	1.3	Poor*
Spring Br	500-2	Kibler Road	Caroline	2.4	Poor
Spring Br	500-3	Knife Box Road	Caroline	4.1	Good
Spring Br	500-4	Garland Road	Caroline	4.7	Good

Appendix B (cont.)

Stream Waders results in the **Upper Choptank River** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Unknown	500-5	Kibler Road	Caroline	2.1	Poor
Watts Cr	490-1	Double Hill Road	Caroline	2.7	Poor*
Watts Cr	490-6	Legion Road	Caroline	2.1	Poor
Watts Cr	492-1	Hobbs Road	Caroline	3.0	Fair
Watts Cr	492-2	County Farm Road	Caroline	2.7	Poor
Watts Cr	492-4	Wilhelm Road	Caroline	1.0	Poor
Webber Br	492-3	Burrsville Road	Caroline	1.6	Poor
Williams Cr	480-2	Dover Neck Road	Talbot	1.0	Poor
Williams Cr	480-3	North Dover Road	Talbot	1.9	Poor*
Williams Cr	480-4	North Dover Road	Talbot	2.1	Poor
Williams Cr	480-5	Dover Neck Road	Talbot	1.6	Poor*
Wootenau Cr	482-1	Chapel Road	Talbot	1.6	Poor
Wootenau Cr	482-2	Chapel Road	Talbot	1.9	Poor
Wootenau Cr	482-3	Chapel Road	Talbot	1.9	Poor
Wootenau Cr	482-4	Chapel Road	Talbot	1.6	Poor
Wootenau Cr	482-5	Chapel Road	Talbot	1.3	Poor
Wootenau Cr	482-91	Chapel and Klondike Roads	Talbot	1.9	Poor
Unknown	485-5	Auction Road	Caroline	1.3	Poor

Stream Waders results in the **Upper Monocacy River** watershed (total sites = 92)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Alloway Cr	256-1	Baptist Road	Carroll	2.1	Poor*
Alloway Cr	264-1	Piney Creek Road	Carroll	1.9	Poor
Alloway Cr	264-4	Harney Road	Carroll	3.3	Fair
Alloway Cr UT	264-2	Piney Creek Road	Carroll	3.3	Fair
Alloway Cr UT	264-3	5775 Bowers Road	Carroll	1.3	Poor
Alloway Cr UT	264-5	Harney Road	Carroll	2.4	Poor
Beaver Br	250-2	Rocky Ridge Road	Frederick	3.0	Fair
Beaver Br	250-4	Old Kiln Road	Frederick	3.0	Fair
Broad Run	245-1	Geisbert Road	Frederick	3.3	Fair
Broad Run	245-2	Clyde Young Road	Frederick	1.3	Poor
Buzzard Br	244-5	Mink Farm Road	Frederick	5.0	Good
Cattail Br	261-2	Route 140	Frederick	1.9	Poor
Cattail Br	261-4	Bollinger School Road	Frederick	1.3	Poor

Appendix B (cont.)

Stream Waders results in the **Upper Monocacy River** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Cattail Br	261-6	Bridgeport Road	Frederick	1.3	Poor
Cattail Br UT	261-1	Route 140	Frederick	2.1	Poor
Cattail Br UT	261-3	Harney Road	Frederick	1.6	Poor
Cattail Br UT	261-5	Bollinger School Road	Frederick	1.3	Poor
Clifford Br	240-4	Hamburg Road	Frederick	4.7	Fair
Creagers Br	245-4	Longs Mill Road	Frederick	1.6	Poor
Creagers Br UT	245-3		Frederick	1.6	Poor
Creagers Br UT	245-5	Old Frederick Road	Frederick	1.9	Poor
Fishing Cr	243-1	Bethel Road	Frederick	3.6	Fair
Fishing Cr	243-2	Lewistown Road	Frederick	3.6	Fair
Flat Run	260-2	Seton Avenue N	Frederick	3.0	Fair
Flat Run	260-5	Route 15	Frederick	3.6	Fair
Flat Run UT	260-1	Seton Avenue N	Frederick	2.7	Poor
Flat Run UT	260-3	Irishtown Road	Frederick	1.3	Poor
Friends Cr	258-2	Harbaugh Valley Road	Frederick	3.3	Fair
Friends Cr	258-3	Harbaugh Valley Road	Frederick	2.7	Poor
Friends Cr	258-4	Eylers Valley Road	Frederick	2.1	Poor
Friends Cr	258-5	Friends Creek Road	Frederick	2.7	Poor
Friends Cr UT	258-1	Harbaugh Valley Road	Frederick	2.4	Poor
Glade Cr	242-1	Glade Road	Frederick	1.3	Poor*
Hauvers Br	252-1	Catoctin Hollow Road	Frederick	4.7	Fair
Hunting Cr	251-1	Moser Road	Frederick	3.9	Fair
Hunting Cr	251-2	Community Park Road	Frederick	3.9	Fair
Hunting Cr	251-3	Foxville Road	Frederick	4.7	Fair
Hunting Cr	251-4	Catoctin Hollow Road	Frederick	3.3	Fair
Hunting Cr UT	252-2	Foxville Road	Frederick	5.0	Good
Hunting Cr UT	252-3	Foxtower Road	Frederick	4.1	Fair
Little Hunting Cr	244-1	Catoctin Manor picnic area	Frederick	4.7	Fair
Little Hunting Cr	244-4	Catoctin Hollow Road	Frederick	5.0	Good
Little Hunting Cr	244-6	Catoctin Hollow Road	Frederick	4.7	Good
Little Hunting Cr UT	244-2	Baughen Road N	Frederick	4.7	Fair
Little Tuscarora Cr	240-2	Indian Springs Road	Frederick	3.9	Fair
Marsh Cr	262-2	837 Mason Dixon Road	Frederick	3.0	Fair
Marsh Cr UT	262-1	Bollinger School Road	Frederick	1.3	Poor
Middle Cr	260-4	Route 140	Frederick	3.0	Fair
Monocacy R	241-2	Devilbiss Bridge Road	Frederick	3.9	Fair*
Monocacy R	247-1	Keysville Road	Frederick	2.1	Poor
Monocacy R	247-2	Sixes Bridge Road	Frederick	3.9	Fair

Appendix B (cont.)

Stream Waders results in the Upper Monocacy River watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Monocacy R	247-3	Mumma Ford Road	Frederick	3.3	Fair
Monocacy R	247-4	Rocky Ridge Road	Frederick	3.3	Fair
Monocacy R UT	246-1	Route 194	Frederick	1.3	Poor
Monocacy R UT	246-2	Detour Road	Frederick	1.3	Poor
Monocacy R UT	246-3	Legore Road	Frederick	1.3	Poor
Monocacy R UT	246-4	Hiney Road	Frederick	3.6	Fair
Monocacy R UT	246-5	Clyde Young Road	Frederick	1.3	Poor
Monocacy R UT	256-2	McMullen Road	Carroll	2.4	Poor
Monocacy R UT	256-3	Bull Frog Road	Carroll	3.6	Fair
Monocacy R UT	256-4	Bull Frog Road	Carroll	3.0	Fair
Muddy Run	251-5	Muddy Run	Frederick	3.9	Fair
North Br Fishing Cr	243-3	Mountaintale Road	Frederick	5.0	Good
Owens Cr	250-3	Longs Mill Road	Frederick	3.6	Fair
Owens Cr	250-5	Apples Church Road	Frederick	3.3	Fair
Owens Cr	253-1	Sabillasville Road	Frederick	3.3	Fair
Owens Cr	253-2	Sabillasville Road	Frederick	3.6	Fair
Owens Cr	253-3	Sabillasville Road	Frederick	4.7	Fair
Owens Cr	253-4	Deerfield and Lantz Roads	Frederick	3.6	Fair
Owens Cr	253-5	Foxville Deerfield Road	Frederick	3.6	Fair
Piney Cr	254-1	Baumgardner Road	Carroll	2.4	Poor
Piney Cr	254-3	Roop Road	Carroll	2.4	Poor
Piney Cr	255-3	Harney Road	Carroll	3.6	Fair
Piney Cr	255-4	Fringer Road	Carroll	3.6	Fair
Piney Cr	257-1	Route 194	Carroll	2.7	Poor
Piney Cr	257-4	Teeter Road	Carroll	3.0	Fair
Piney Cr UT	254-2	Roop Road	Carroll	2.7	Poor
Piney Cr UT	254-4	Route 194	Carroll	1.6	Poor
Piney Cr UT	255-1	Trevanion Road	Carroll	1.9	Poor
Piney Cr UT	255-2	Harney Road	Carroll	3.3	Fair
Piney Cr UT	257-3	Route 194	Carroll	1.6	Poor
Piney Cr UT	257-5	Teeter Road	Carroll	2.1	Poor
Piney Cr UT	267-1	Route 97	Carroll	2.4	Poor
Sandy Run	244-3	Angleberger Road	Frederick	3.6	Fair
South Br Fishing Cr	243-4	Mountaintale Road	Frederick	4.4	Fair
Stony Br	249-1	Four Points Road	Frederick	2.4	Poor
Toms Cr	259-5	Grimes Road	Frederick	1.9	Poor
Toms Ditch Cr	259-1	Annandale Road	Frederick	3.0	Fair
Toms Ditch Cr	259-2	Seton Avenue S	Frederick	3.6	Fair

Appendix B (cont.)

Stream Waders results in the **Upper Monocacy River** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Toms Ditch Cr	259-3	Creamery Road	Frederick	2.7	Poor
Toms Ditch Cr	259-4	Four Points Road	Frederick	3.3	Fair
Whiterock Run	240-5	Pear Lane	Frederick	3.6	Fair

Stream Waders results in the **Wicomico Creek** watershed (total sites = 7)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Back Cr	563-1	next to Wilander's Yacht Yard	Wicomico	1.3	Poor
Passerdyke Cr	565-3	Stockyard Road	Wicomico	2.1	Poor
Passerdyke Cr	565-4	Meadow Bridge Road	Wicomico	1.0	Poor
Passerdyke Cr UT	565-2	Allen Road	Wicomico	1.3	Poor*
Somerset Cr	564-1	Peggy Neck Road	Somerset	1.0	Poor
Stephens Br	565-5	Meadow Bridge and Phillips Roads	Wicomico	1.3	Poor
Tangs Cr	564-4	Backbone Road	Somerset	1.6	Poor

Stream Waders results in the **Wicomico River Head** (total sites = 12)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
Figgs Ditch	569-5	Roy West Road	Wicomico	1.3	Poor
Figgs Ditch	569-2	Route 54 (Line Road E)	Wicomico	1.6	Poor
Morris Br	569-1	Route 54 (Line Road E)	Wicomico	1.6	Poor
Tilgham Br	568-5	Downing Road	Wicomico	1.9	Poor
South Prong	568-4	Dagsboro Road	Wicomico	1.0	Poor
South Prong	568-3	Downing Road	Wicomico	1.6	Poor
Peggy Br	566-5	Route 13 by-pass	Wicomico	2.7	Poor
Peggy Br	566-4	Parker Road	Wicomico	2.4	Poor
Middle Neck Br	566-3	Parker Road	Wicomico	1.3	Poor
Brewington Br	566-1	Mall Drive South	Wicomico	1.3	Poor
Morris Br	569-4	Melson Road	Wicomico	1.0	Poor
Brewington Br	566-2	Brown Road	Wicomico	1.9	Poor